

Please type a plus sign (+) inside this box ☐

PTO/SB/05 (1/86)

Approved for use through 9/30/2000. CMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

T8466250US

First Inventor or Application

Crupi, Frank

Title

METHOD OF IN-SITU REJUVENATION OF ASPHALT

Express Mail Label No.

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 202311. ☒ \*Fee Transmittal Form (e.g., PTO/SB/17)6. ☐ Microfiche Computer Program (Appendix)2. ☒ Specification [Total 15]7. Nucleotide and/or Amino Acid Sequence Submission  
(If applicable, all necessary)

- Descriptive title of the invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

a. ☐ Computer Readable Copyb. ☐ Paper Copy (identical to computer copy)c. ☐ Statement verifying identity of above copies3. ☒ Drawing(s) (35 U.S.C. 113) [Total 10]

4. Oath or Declaration [Total]

a. ☒ Newly executed (original or copy)b. ☐ Copy from a prior application (37 C.F.R. 1.63(d))

(Note Box 5 below)

i. ☐ DELETION OF INVENTOR(S)

inventor(s) named in the prior application.

5. ☐ Incorporation By Reference (usable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is**ACCOMPANYING APPLICATION PARTS**8. ☐ Assignment Papers (cover sheet &9. ☐ 37 C.F.R. 3.73(b) Statement☐ Power of Attorney10. ☐ English Translation Document (if applicable)11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations12. ☐ Preliminary Amendment13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)14. ☐ \* Small Entity Statement(s) ☐ Statement filed in prior application,  
(PTO/SB/08-12)15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)16. ☒ Other: Unexecuted Declaration

\* A new statement is required to be entitled to pay small entity fees, except

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application

Prior application information: Examiner Group / Art Unit

**18. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Labelor ☐ Correspondence address below

(Insert Customer Number/Attach bar code label here)

|         |                                  |           |              |          |              |
|---------|----------------------------------|-----------|--------------|----------|--------------|
| Name    | Gowling Lafleur Henderson LLP    |           |              |          |              |
| Address | Suite 4900, Commerce Court West, |           |              |          |              |
| City    | Toronto                          | State     | Ontario      | Zip Code | M5L 1J3      |
| Country | Canada                           | Telephone | 416 862-7525 | Fax      | 416 862-7461 |

Name (print) Peter Milne

Registration No. (Attorney/Agent) 34,534

Signature

Date July 30, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are estimated to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

 07/31/01  
 PTO  
 09/16/01  
 07/31/01

09917824-073101

099/7824

Deposit account not found -

Approved for use through 10/31/2002. OMB 0651-0002  
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$)

## Complete if Known

Application Number ---  
 Filing Date ---  
 First Named Inventor CRUPI, Frank  
 Examiner Name ---  
 Group Art Unit ---  
 Attorney Docket No. T8466250US

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 17-1750  
 Deposit Account Name Gowling Lapsley Henderson  
☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
☒ Applicant claims small entity status. See 37 CFR 1.22

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity | Small Entity | Fee      | Fee      | Fee      | Fee      | Fee Description        | Fee Paid |
|--------------|--------------|----------|----------|----------|----------|------------------------|----------|
| Code (5)     | Code (5)     | Code (5) | Code (5) | Code (5) | Code (5) |                        |          |
| 101          | 710          | 201      | 355      |          |          | Utility filing fee ✓   | 355      |
| 106          | 320          | 206      | 160      |          |          | Design filing fee      |          |
| 107          | 490          | 207      | 245      |          |          | Plant filing fee       |          |
| 108          | 710          | 208      | 355      |          |          | Reissue filing fee     |          |
| 114          | 150          | 214      | 75       |          |          | Provisional filing fee |          |

SUBTOTAL (1) (\$ 355)

## 2. EXTRA CLAIM FEE

| Total Claims       | Excess Claims | Fee from below | Fee Paid |
|--------------------|---------------|----------------|----------|
| 17                 | 20** =        | X              |          |
| 3                  | 3** =         | X              |          |
| Multiple Dependent |               |                |          |

## Large Entity Small Entity

| Fee      | Fee      | Fee      | Fee      | Fee Description   |
|----------|----------|----------|----------|---|
| Code (5) | Code (5) | Code (5) | Code (5) |   |
| 103      | 18       | 203      | 9        | Claims in excess of 20                                  |
| 102      | 80       | 202      | 40       | Independent claims in excess of 3                       |
| 104      | 270      | 204      | 135      | Multiple dependent claim, if not paid                   |
| 108      | 80       | 208      | 40       | Reissue independent claims over original patent         |
| 110      | 18       | 210      | 9        | Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ ---)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee      | Fee      | Fee      | Fee Description  | Fee Paid |
|--------------|--------------|----------|----------|----------|--|----------|
| Code (5)     | Code (5)     | Code (5) | Code (5) | Code (5) |  |          |
| 105          | 130          | 205      | 85       |          | Surcharge - late filing fee or oath  |          |
| 126          | 50           | 227      | 25       |          | Surcharge - late provisional filing fee or cover sheet                     |          |
| 130          | 130          | 130      | 130      |          | Non-English specification  |          |
| 147          | 2,520        | 147      | 2,520    |          | For filing a request for <i>ex parte</i> reexamination                     |          |
| 112          | 920*         | 112      | 620*     |          | Requesting publication of SIR prior to Examiner action                     |          |
| 113          | 1,840*       | 113      | 1,840*   |          | Requesting publication of SIR after Examiner action                        |          |
| 115          | 110          | 215      | 55       |          | Extension for reply within first month                                     |          |
| 116          | 300          | 216      | 195      |          | Extension for reply within second month                                    |          |
| 117          | 800          | 217      | 445      |          | Extension for reply within third month                                     |          |
| 118          | 1,380        | 218      | 695      |          | Extension for reply within fourth month                                    |          |
| 128          | 1,890        | 228      | 945      |          | Extension for reply within fifth month                                     |          |
| 119          | 310          | 219      | 155      |          | Notice of Appeal   |          |
| 120          | 310          | 220      | 155      |          | Filing a brief in support of an appeal                                     |          |
| 121          | 270          | 221      | 135      |          | Request for oral hearing   |          |
| 136          | 1,510        | 136      | 1,510    |          | Petition to institute a public use proceeding                              |          |
| 140          | 110          | 240      | 55       |          | Petition to revive - unavoidable   |          |
| 141          | 1,240        | 241      | 620      |          | Petition to revive - unintentional   |          |
| 142          | 1,240        | 242      | 620      |          | Utility issue fee (or reissue)   |          |
| 143          | 440          | 243      | 220      |          | Design issue fee   |          |
| 144          | 600          | 244      | 300      |          | Plant issue fee  |          |
| 122          | 130          | 122      | 130      |          | Petitions to the Commissioner  |          |
| 123          | 50           | 123      | 50       |          | Processing fee under 37 CFR 1.17(a)  |          |
| 128          | 180          | 126      | 180      |          | Submission of Information Disclosure Sheet                                 |          |
| 581          | 40           | 581      | 40       |          | Recording each patent assignment per property (times number of properties) |          |
| 148          | 710          | 248      | 355      |          | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149          | 710          | 249      | 355      |          | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179          | 710          | 279      | 355      |          | Request for Continued Examination (RCE)                                    |          |
| 169          | 900          | 169      | 900      |          | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Best Filing Fee Paid

SUBTOTAL (3) (\$ ---)

## SUBMITTED BY

Name (Print/Type) PETER MILNERegistration No. 34,534

(Class/Agent)

## Complete (if applicable)

Telephone 416 862-7525Date July 30, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Civil Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.